



# Tec7

GLUE, MOUNT AND SEAL

- ✓ Unique bonding capacity
- ✓ Adheres to both wet and dry substrates
- ✓ High UV and fungus resistance



## Technical Info

- Base: MS polymer.
- Flow: 5 bar/ 3 mm/ 23°C 140g/min.
- Skin formation: 23°C 50% R.V. 8 minutes.
- Tack-free: 23°C 50% R.V. 25 minutes.
- Full hardening: 23°C 50% R.V.:
  - 24h - 6 mm
  - 48h - 7 mm
  - 72h - 8 mm
- E-modulus 100%: 172N/cm<sup>2</sup> /1.72 Mpa.
- Electric resistance: 2,6 x 10<sup>2</sup> Ohm/cm.
- Volume shrinkage after curing: <3%.
- Hardness - DIN 53505: 60 Shore A.
- Tensile Strength:
  - after 7 days: 260 N/cm<sup>2</sup>
  - after 1 month: 280 N/cm<sup>2</sup>
  - after 3 months: 310 N/cm<sup>2</sup>.
- Tear strength - DIN 53504: 140N/cm<sup>2</sup> /1.40 Mpa.
- The ambient temperature for application: between +5°C and +40°C.
- Thermal stability: -40°C to +90°C /peak: 155°C max. 30 minutes.
- Elongation at break - Din 53504: > 350%.
- Air permeability (according to report 3P02093 of the SP TRI in Sweden: >0,2m<sup>3</sup>/m<sup>2</sup>.
- Non-toxic.
- Water vapour transmission (DIN EN ISO 12572): 1,6.
- Pressure resistance (ISO 11432): 1,19 N/mm<sup>2</sup>.
- Chemical resistance:
  - good: water, seawater, aliphatic solvents, oils, greases, diluted organic acids, lyes
  - moderate: esters, ketones, aromatics.

## Product

### Characteristics

- After curing, super strong and permanently elastic.
- Free of phthalates, solvents and isocyanates.
- Safe on mirrors, no markings on natural stone.
- Almost odourless.
- Even on wet, slippery surfaces.
- Fungus and bacteria resistant.
- Water and airtight.
- Can be used on most building materials.

### Applications

- For all applications: in the construction and sanitary sectors and general maintenance. Tec7 replaces mounting, wood and PU adhesive, silicone sealant, sanitary silicone sealant, acrylate adhesive, butyl caulking.
- As a universal adhesive, Tec7 adheres to most substrates and does not attack synthetic materials.
- To mirrors (vertical adhesive beads), natural stone (does not bleed through), metal, polyester, polystyrene foam, moist substrates, even under water.
- To seal steel, welded steel and tack welded steel( also stainless steel type 316 and 316L), thus preventing rust.
- Overpaintable with most common paints.
- Tec7 has lower adhesion on PP, PE, bitumen and silicones.

- poor: concentrated acids, chlorinated solvents, chlorine of swimming pools.
- Shelf life: 18 months from production. The first seven digits of the batch number form the production date: YY WW DDD, where YY = year (19 = 2019), WW = week and DDD = day.
- Safety measures: Please consult the safety data sheet.

## Packing

|  |           |
|--|-----------|
| Tec7 black (RAL 9004) - cartridge 310ml      | 535106000 |
| Tec7 white (RAL 9016) - cartridge 310ml      | 535206000 |
| Tec7 brown (RAL 8017) - cartridge 310ml      | 535406000 |
| Tec7 green (RAL 6005) - cartridge 310ml      | 535606000 |
| Tec7 terracotta (RAL 3012) - cartridge 310ml | 535706000 |
| Tec7 oak (RAL 1011) - cartridge 310ml        | 535806000 |
| Tec7 beige (RAL 1015) - cartridge 310ml      | 535906000 |
| Tec7 grey (RAL 7004) - cartridge 310ml       | 535306000 |
| Tec7 black (RAL 9004) - cartridge 310ml      | 535176000 |
| Tec7 white (RAL 9016) - cartridge 310ml      | 535276000 |
| Tec7 grey (RAL 7004) - cartridge 310ml       | 535376000 |
| Tec7 brown (RAL 8017) - cartridge 310ml      | 535476000 |
| Tec7 light grey - cartridge 310ml            | 535576000 |
| Tec7 beige (RAL 1015) - cartridge 310ml      | 535876000 |
| Tec7 beige (RAL 1015) - cartridge 310ml      | 535976000 |
| Tec7 - display sixpack                       | 998015000 |
| Tec7 box - 4 sixpacks white                  | 998013000 |
| Tec7 box - 4 sixpacks grey                   | 998014000 |
| Tec7 grey (RAL 7004) - sausage 600ml         | 535308000 |
| Tec7 white (RAL 9016) - sausage 600ml        | 535208000 |
| Tec7 black (RAL 9004) - sausage 600ml        | 535108000 |
| Tec7 white (RAL 9016) - tube 100ml           | 535205000 |

## Use

- Processing temperature: from +5°C to +40°C.
- Apply to clean, dust and grease-free substrate.
- If necessary clean with Tec7 Cleaner or Multiclean.
- Apply with manual or air caulking gun (best with telescopic plunger).

- Due to the wide variety of different plastic materials and compositions, as well as materials that are prone to stress cracking, preliminary trials are recommended.
- Test the adhesion to plastics, powder coatings, exotic woods and bituminous materials. Start by strengthening weak and/or porous substrates with Fixprimer.
- Due to the diversity of varnishes and paints on the market we recommend preliminary tests. Using products based on alkyd resins may delay the drying process.
- Use Tec7 Cleaner to clean and degrease safely, obtain the perfect finish, and to remove uncured Tec7 polymers. Use HP Clean to finish porous materials.
- When glueing mirrors in sanitary facilities only apply vertical strips of adhesive to avoid stagnant moisture due to condensation.
- Ideal adhesive thickness for optimal adhesion strength: 3 mm.
- Tec7 has lower adhesion on PP, PE, bitumen and silicones.



#### CONSUMPTION IN M PER 310 ML

| Width of joint in mm → | 5  | 7 | 10 | 12  | 15  | 20  | 25  |
|------------------------|----|---|----|-----|-----|-----|-----|
| Depth of joint in mm ↓ |    |   |    |     |     |     |     |
| 5                      | 12 | 8 | 6  |     |     |     |     |
| 7                      |    | 6 | 4  | 3   |     |     |     |
| 10                     |    |   | 3  | 2,5 | 2,0 | 1,5 |     |
| 12                     |    |   |    | 2,1 | 1,7 | 1,2 | 1,0 |
| 15                     |    |   |    |     | 1,3 | 1,0 | 0,8 |